

DISTRICT I

P.O. Box 1980, Hobbs, NM 88240

DISTRICT II

P.O. Box Drawer DD, Artesia, NM 88210

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

**OIL CONSERVATION DIVISION**

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

|                                                    |                                                                        |
|----------------------------------------------------|------------------------------------------------------------------------|
| WELL API NO.                                       | 30-025-25809                                                           |
| 5. Indicate Type of Lease                          | STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/> |
| 6. State Oil / Gas Lease No.                       | 857943                                                                 |
| 7. Lease Name or Unit Agreement Name               | CENTRAL VACUUM UNIT                                                    |
| 8. Well No.                                        | 6                                                                      |
| 9. Pool Name or Wildcat                            | VACUUM GRAYBURG SAN ANDRES                                             |
| 10. Elevation (Show whether DF, RKB, RT, GR, etc.) | 3995' GL                                                               |

SUNDRY NOTICES AND REPORTS ON WELLS  
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO  
DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMITS  
(FORM C-101) FOR SUCH PROPOSALS.

1. Type of Well: OIL WELL ☐ GAS WELL ☐ OTHER WATER INJECTION

2. Name of Operator  
CHEVRON USA INC

3. Address of Operator  
15 SMITH RD, MIDLAND, TX 79705

4. Well Location  
Unit Letter C : 1310 Feet From The NORTH Line and 2560 Feet From The WEST Line  
Section 30 Township 17S Range 35E NMPM LEA COUNTY

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

**NOTICE OF INTENTION TO:**

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐  
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐  
PULL OR ALTER CASING ☐  
OTHER: INTENT TO RUN CSG ☒

**SUBSEQUENT REPORT OF:**

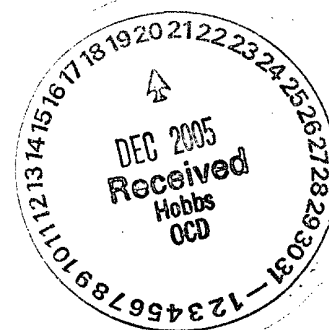
REMEDIAL WORK ☐ ALTERING CASING ☐  
COMMENCE DRILLING OPERATION ☐ PLUG AND ABANDONMENT ☐  
CASING TEST AND CEMENT JOB ☐  
OTHER: ☐

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

CHEVRON U.S.A. INC. INTENDS TO RUN CSG ON THE SUBJECT WELL - WAITING ON PARTNER APPROVAL.

THE CURRENT AND PROPOSED WELLBORE DIAGRAMS, AND THE INTENDED PROCEDURE IS ATTACHED.

A WORKOVER REPORT WAS TURNED IN TO NMOCD ON 12-19-05 FOR MIT REPAIR & STIMULATION AND WAS UNSUCCESSFUL.



I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Denise Pinkerton TITLE Regulatory Specialist

DATE 12/19/2005

TYPE OR PRINT NAME Denise Pinkerton

Telephone No. 432-687-7375

(This space for State Use)

APPROVED Harry W. Wink TITLE OC FIELD REPRESENTATIVE II/STAFF MANAGER  
CONDITIONS OF APPROVAL, IF ANY: DATE

DEC 21 2005

Well: CVU #6  
Date: 12/16/05

|            |                       |    |                    |
|------------|-----------------------|----|--------------------|
| Well:      | CVU #6                |    |                    |
| API #:     | 30-025-25809          |    |                    |
| Field:     | Vacuum                |    |                    |
| Location:  | 1310' FNL & 2560' FWL |    |                    |
|            | Section:              | 30 | TSHP/Rnge: S17 E35 |
|            | Unit Letter:          | C  | County: Lea        |
| Formation: | Grayburg/San Andres   |    |                    |
| Completed: | 3/8/1979              |    |                    |
| GL Elev.:  | 3,986                 |    |                    |

|                            |       |     |
|----------------------------|-------|-----|
| Grayburg Marker:           | 4,303 | ft. |
| Grayburg Dolomite Top:     | 4,397 | ft. |
| Grayburg Dolomite Base:    | 4,426 | ft. |
| Grayburg Upper San Andres: | 4,463 | ft. |
| Grayburg Lower San Andres: | 4,662 | ft. |
| Oil/Water Contact:         | 4,687 | ft. |
| PBTD                       | 4,735 | ft. |

|                |           |
|----------------|-----------|
| Costs:         | \$105,346 |
| ENPV @ 10%:    | \$33,000  |
| DPI @ 10%:     | 1.44      |
| Pay Out (yrs): | 3.47      |

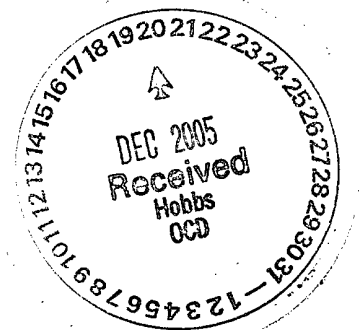


## VI - Procedure

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- 1 MIRU PU. ND Well head, NU BOP.
- 2 TIH w/ Retrieving Tool and 2 3/8" work string, wash sand off RBP @ 4,395', Circulate clean, engage and release RBP. TOH w/RBP.
- 3 TIH w/ 3 7/8" Bit and 2 3/8" work string, wash infill out to PBTD @ 4,735', circulate clean, TOH w/ bit.
- 4 PU NEW 4 1/2" Injection Packer w/ Pump-out Plug, NEW On/Off Tool, and NEW profile nipple on NEW 2 7/8" J-55 Fiberline tubing. TIH, space out injection string w/ subs as needed, set packer @ 4,395' or slightly above.
- 5 Test tubing to 2500psi.
- 6 Disengage On/Off Tool, ND BOP, NU Wellhead, Circulate tubing capacity w/ fresh water.
- 7 RU Schlumberger, cement 2 7/8" Injection String as per SLB procedure, CIRCULATE CEMENT OUT OF 4 1/2" by 2 7/8" annulus, ND Wellhead, lower tubing, engage On/Off Tool, VERIFY On/Off Tool ENGAGED, NU Wellhead.
- 8 Blow Pump-out Plug below Injection Packer and establish Injection rate down tubing w/ water, monitor 4 1/2" by 2 7/8" annulus, VERIFY NO COMMUNICATION.
- 9 Pump 2000 gallons 15% HCl w/ additives down Injection tubing, pump 75 barrels fresh water to overflush acid.
- 10 RD MO SLB, Wait on cement 12 hours.
- 11 MIRU Slickline Unit, set Blanking Plug in Profile Nipple of On/Off Tool, Test to 2500 psi.
- 12 Equalize, pull Blanking Plug.
- 13 RD MO Slickline and PU and Return to Injection.

Prepared by  
Christopher A. Irle



|                         |                                             |     |                             |            |                             |        |                                                              |
|-------------------------|---------------------------------------------|-----|-----------------------------|------------|-----------------------------|--------|--------------------------------------------------------------|
| Created:                | <u>10/17/2005</u>                           | By: | <u>MAB</u>                  |            |                             |        |                                                              |
| Updated:                | <u>                    </u>                 | By: | <u>                    </u> |            |                             |        |                                                              |
| Lease:                  | <u>Central Vacuum Unit</u>                  |     |                             | Well No.:  | <u>6</u>                    | Field: | <u>Central Vacuum Unit</u>                                   |
| Surface Location:       | <u>1310' FNL &amp; 2560' FWL</u>            |     |                             | Unit Ltr:  | <u>C</u>                    | Sec:   | <u>30</u> TSHP/Range: <u>17S-35E</u>                         |
| Bottomhole Location:    | <u>                                    </u> |     |                             | Unit Ltr:  | <u>                    </u> | Sec:   | TSHP/Range: <u>                    </u>                      |
| County:                 | <u>Lea</u>                                  | St: | <u>NM</u>                   | St Lease:  | <u>B-1578</u>               | API:   | <u>30-025-25809</u> Cost Center: <u>                    </u> |
| Current Status:         | <u>Active Injection Well</u>                |     |                             | Elevation: | <u>                    </u> |        | TEPI: <u>                    </u>                            |
| Directions to Wellsite: | <u>Buckeye, New Mexico</u>                  |     |                             |            |                             |        | MVP: <u>                    </u>                             |

|            |                    |        |
|------------|--------------------|--------|
| Size:      | 8 5/8"             | Inches |
| Wt.:       | 24#, K55           |        |
| Set @:     | 410                | ft     |
| Sxs cmt:   | 400 Sx cl "C" cmt. |        |
| Circ:      | Yes                |        |
| Date:      | 1/28/79            |        |
| TOC:       | Surface            |        |
| Hole Size: | 12 1/4             | Inches |

|            |                                                             |        |
|------------|-------------------------------------------------------------|--------|
| Size:      | 4 1/2                                                       | Inches |
| Wt.:       | 10.5#, K55                                                  |        |
| Set @:     | 4,830                                                       | ft     |
| Sxs Cmt:   | 1900 Sx "LW" cmt, 15# salt & 1/4# flocele/sx, 200 Sx cl "C" |        |
|            | cmt w/ 8# salt                                              |        |
| Date:      | 2/6/79                                                      |        |
| Circ:      | Yes                                                         |        |
| TOC:       | Surface                                                     |        |
| Hole Size: | 7 7/8                                                       | Inches |

**Grayburg San Andres 4524'-4647'**

**3/8/1979: Initial Completion 4524'-4647' (2 SPF):** 4524', 32, 40, 46, 57, 68, 78, 89, 93; 4604, 08, 12, 20, 26, 31, 35, 4647'. Acid w/ 6800 gls 15% HCl.

KB: **3,996**  
DF: \_\_\_\_\_  
GL: **3,986**  
Date: \_\_\_\_\_  
Date: \_\_\_\_\_  
Pushing: **10**

**3/8/1979: Initial Completion:** TD @ 4830'  
**3/2/1979: Hydraulic Fracture:** Frac down a 4 1/2" casing w/ 20000 gls XL gel, 18900 # 20/40 sand in 3 stages using 150# RS.  
**9/14/1981: Repair Tubing Leak:** Run new packer and replaced seals in tubing collars. TIH and Set packer @ 4391'. Test to 1000# OK.  
**8/29/1986: Bradenhead survey:** Heavy flow out of the 4 1/2" - 2 3/8" annulus.  
**9/5/1986: Repair MIT:** Pull pkr and 2 3/8" duolined tbg. TIH w/ Watson "G" Lock Set pkr and 2 3/8" duolined tbg. Replaced all seals in tbg string. set pkr @ 4425'.  
**7/8/1993: Injection Pressure Increase:** New maximum pressure: 2180 psi.  
**4/5/94- 4/8/94: Stimulation:** C/O to 4735'. Run and set 4 1/2" pkr @ 4453'. Acid perms w/ 7300 gls 20% HCl. Pmax=2970#, AIR=4 bpm. Swab load back. TIH w/ 2 3/8" duolined tbg and 4 1/2" pkr. Set pkr @ 4413'. Test back side to 540#. RWTI.  
**11/21/05 - 12/16/05 MIT Repair:** Holes isolated from 428' to 460' in casing, squeezed and tested good, casing still leaked, searched but could not isolate, ran Micro Vertilog, found: int. and ext. corrosion @ 1250' to 1270'; int. pitting @ 4,300 to 4,400; and pitting @ 530' to 610'. Set RBP @ 4,395' and topped w/ 1 sack of sand (Top of sand banded @ 4,382'.

| Top         | Top Depth, ft | Interval | Net |
|-------------|---------------|----------|-----|
| GB Marker   | 4,303         |          |     |
| GB Dol Top  | 4,397         | 29       | -   |
| GB Dol Bott | 4,426         |          |     |
| San Andres  | 4,463         | 199      | 17  |
| LSA         | 4,662         | 25       | -   |
| O/W         | 4,687         | 48       | -   |
| PBTD        | 4,735         |          |     |

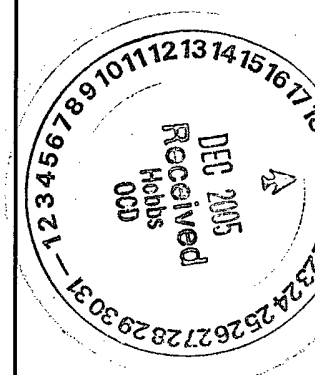
|                                |              |           |
|--------------------------------|--------------|-----------|
| <b>TOTAL</b>                   | <b>301</b>   | <b>17</b> |
| <b>Gross / Net Ratio</b>       | <b>5.6%</b>  |           |
| <b>Middle of Perforations:</b> | <b>4,566</b> |           |

Sand: 4,382  
RBP: 4.395'

TD: 4,830  
PBSD: 4,735

| #   | Size                            | ID      | Footage | Depth   |
|-----|---------------------------------|---------|---------|---------|
| 1   | Kelly Bushing                   |         | 10.00   | 10.00   |
| 147 | 2 3/8" Duolined tbg - J55, 4.7# | 4423.00 |         | 4433.00 |
| 1   | 4 1/2" AD-1 Packer              |         | 3.00    | 4436.00 |
|     |                                 |         |         | 4436.00 |
|     |                                 |         |         | 4436.00 |
|     |                                 |         |         | 4436.00 |
|     |                                 |         |         | 4436.00 |
|     |                                 |         |         | 4436.00 |
|     |                                 |         |         | 4436.00 |
|     |                                 |         |         | 4436.00 |

Packer set @ 4436.00



12/19/2005

## 1.00

Upper / Lower Separation  
5 ft

**Difference:**

17

|                         |                                  |     |                             |            |                             |        |                                                                     |
|-------------------------|----------------------------------|-----|-----------------------------|------------|-----------------------------|--------|---------------------------------------------------------------------|
| Created:                | <u>10/17/2005</u>                | By: | <u>MAB</u>                  |            |                             |        |                                                                     |
| Updated:                | <u>                    </u>      | By: | <u>                    </u> |            |                             |        |                                                                     |
| Lease:                  | <u>Central Vacuum Unit</u>       |     |                             | Well No.:  | <u>8</u>                    | Field: | <u>Central Vacuum Unit</u>                                          |
| Surface Location:       | <u>1310' FNL &amp; 2560' FWL</u> |     |                             | Unit Ltr:  | <u>C</u>                    | Sec:   | <u>30</u> TSHP/Range: <u>17S-35E</u>                                |
| Bottomhole Location:    | <u>                    </u>      |     |                             | Unit Ltr:  | <u>                    </u> | Sec:   | <u>                    </u> TSHP/Range: <u>                    </u> |
| County:                 | <u>Lea</u>                       | St: | <u>NM</u>                   | St Lease:  | <u>B-1578</u>               | API:   | <u>30-025-25809</u> Cost Center: <u>                    </u>        |
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| Directions to Wellsite: | <u>Buckeye, New Mexico</u>       |     |                             |            |                             |        | MVP: <u>                    </u>                                    |

|            |                    |        |
|------------|--------------------|--------|
| Size:      | 8 5/8"             | inches |
| Wt.:       | 24#, K55           |        |
| Set @:     | 410                | ft     |
| Sxs cmt:   | 400 Sx cl "C" cmt. |        |
| Circ:      | Yes                |        |
| Date:      | 1/28/79            |        |
| TOC:       | Surface            |        |
| Hole Size: | 12 1/4             | Inches |

|            |                                                                                  |        |
|------------|----------------------------------------------------------------------------------|--------|
| Size:      | 4 1/2                                                                            | inches |
| Wt.:       | 10.5#, K55                                                                       |        |
| Set @:     | 4,830                                                                            | ft     |
| Sxs Cmt:   | 1900 Sx "LW" cmt, 15# salt &<br>1/4# floccle/sx, 200 Sx cl "C"<br>cmt w/ 8# salt |        |
| Date:      | 2/6/79                                                                           |        |
| Circ:      | Yes                                                                              |        |
| TOC:       | Surface                                                                          |        |
| Hole Size: | 7 7/8                                                                            | Inches |

|        |         |        |
|--------|---------|--------|
| Size:  | 2 7/8   | inches |
| Wt.:   | J-55    |        |
| Set @: | 4,395   | ft     |
| Circ:  | Yes     |        |
| TOC:   | Surface |        |

Grayburg San Andres 4524'-4647'

**3/8/1979: Initial Completion 4524'-4647' (2 SPF):** 4524', 32, 40, 46, 57, 68, 78, 89, 93, 4604, 08, 12, 20, 26, 31, 35, 4647'. Acid w/ 6800 gls 15% HCl.

| Top         | Top Depth, ft | Interval | Net |
|-------------|---------------|----------|-----|
| GB Marker   | 4,303         |          |     |
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| GB Dol Bott | 4,426         |          |     |
| San Andres  | 4,463         | 199      | 17  |
| LSA         | 4,662         | 25       | -   |
| O/W         | 4,687         | 48       | -   |
| PBTD        | 4,735         |          |     |

|                                |                     |                  |
|--------------------------------|---------------------|------------------|
| <b>TOTAL</b>                   | <b><u>301</u></b>   | <b><u>17</u></b> |
| <b>Gross / Net Ratio</b>       | <b><u>5.6%</u></b>  |                  |
| <b>Middle of Perforations:</b> | <b><u>4,566</u></b> |                  |

**TD: 4,830**

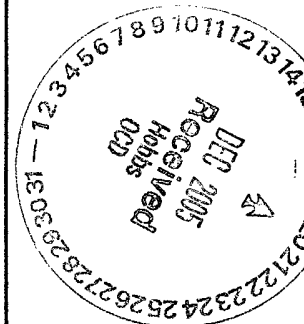
PBTD: 4,735

Original Spud Date: \_\_\_\_\_  
Original Compl. Date: \_\_\_\_\_  
Kelly Bushing: **10**

**3/8/1979: Initial Completion:** TD @ 4830'  
**3/2/1979: Hydraulic Fracture:** Frac down a 4 1/2" casing w/ 20,000 gls XL gel, 18900 # 20/40 sand in 3 stages using 150# RS.  
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[illegible]

**Packer set @ 4395.00**



**Date**  
**Interval:**  
**Interval Increment**

**4524'-4647'**

1.00

Upper / Lower Separation  
5 ft

| Formation        | ft | Holes |
|------------------|----|-------|
| Grayburg         | -  | -     |
| Upper San Andres | 17 | 34    |
| Lower San Andres | -  | -     |
| Transition:      | -  | -     |
|                  | 17 | 34    |

